

## **CHAPTER 8**

# **REFERENCES, ACRONYMS, ABBREVIATIONS, GLOSSARY, AND INDEX**

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## 8.2 ACRONYMS AND ABBREVIATIONS

ACRONYM/ABBREVIATION	DEFINITION
ABA	acid base accounting
AMP	Adaptive Management Plan
AIZs	aquatic influence zones
AOC	Administrative Order on Consent
ARD	acid rock drainage
ASQ	allowable sale quantity
ATV	all-terrain vehicle
AU	assessment unit
AUM	animal unit month
BCP	Bird Conservation Plan
BIA	Bureau of Indian Affairs
BLM	Bureau of Land Management
BMPs	best management practices
CAA	Clean Air Act
CCE	calcium carbonate equivalent
CD	compact disc
C&H	cattle and horses
CEA	cumulative effects area
CEQ	Council on Environmental Quality
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations

ACRONYM/ABBREVIATION	DEFINITION
cfs	cubic feet per second
CNF	Caribou National Forest
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
CO <sub>2</sub> e	carbon dioxide equivalent
COPCs	contaminants of potential concern
Corps	U.S. Army Corps of Engineers
CTNF	Caribou-Targhee National Forest
DAP	diammonium phosphate
dB	decibel
dBA	decibel-A weighted
DEIS	draft environmental impact statement
DNA	deoxyribonucleic acid
DPS	distinct population segment
EE/CA	engineering evaluations/cost analyses
EIS	environmental impact statement
EO	Executive Order
EPA	Environmental Protection Agency
EPMs	environmental protection measures
ESA	Endangered Species Act
F	Fahrenheit
FEIS	final environmental impact statement
FR	forest road



ACRONYM/ABBREVIATION	DEFINITION
FSEIS	final supplemental environmental impact statement
GAP	gap analysis program
GCLL	geo-synthetic clay laminate liner
GHGs	greenhouse gases
GIS	geographic information system
HDPE	high density polyethylene
HUC	hydrologic unit code
IDAPA	Idaho Administrative Code
IDEQ	Idaho Department of Environmental Quality
IDFG	Idaho Department of Fish and Game
IDL	Idaho Department of Lands
IDWR	Idaho Department of Water Resources
IFWIS	Idaho Fish and Wildlife Information System
IM	Instruction Memorandum
IPM	integrated pest management
IRAs	inventoried roadless areas
ISO	International Organization for Standardization
ISU	Idaho State University
IWJV	Intermountain West Joint Venture
K	Hydraulic Conductivity
km	kilometer
KPLA	known phosphate lease areas

ACRONYM/ABBREVIATION	DEFINITION
kV	kilovolt
Leq	equivalent sound level
M&RP	mine and reclamation plan
MBTA	Migratory Bird Treaty Act
MCC	motor control center
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MIS	management indicator species
MOU	Memorandum of Understanding
MPH	miles per hour
MPRA	Meade Peak Roadless Area
MSHA	Mine Safety and Health Administration
NAAQS	National Ambient Air Quality Standards
NEPA	National Environmental Policy Act
NFS	National Forest System
NHPA	National Historic Preservation Act
NOA	Notice of Availability
NOAA	National Oceanic and Atmospheric Administration
NOI	Notice of Intent
NO <sub>x</sub>	nitrogen oxides
NO <sub>2</sub>	nitrogen dioxide
N <sub>2</sub> O	nitrous oxide

ACRONYM/ABBREVIATION	DEFINITION
NPDES	National Pollution Discharge Elimination System
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NTUs	nephelometric turbidity units
ODA	overburden disposal area
OHV	off highway vehicle
OSHA	Occupational Safety and Health Administration
O <sub>3</sub>	ozone
Pb	lead
PEL	permissible exposure limit
PGH	preliminary general habitat
PIF	Partners in Flight
PM	particulate matter
PPH	preliminary priority habitat
PSD	prevention of significant deterioration
RFP	revised forest plan
RI/FS	Remedial Investigation/Feasibility Study
RM	Roaded Modified
RMP	resource management plan
ROD	Record of Decision
ROM	run-of-mine
ROS	Recreation Opportunity Spectrum

ACRONYM/ABBREVIATION	DEFINITION
S	sensitive
S&G	sheep and goats
SAR	sodium adsorption ration
SCRA	Sage Creek Roadless Area
SHPO	State Historic Preservation Office
SI	site investigation
SIP	State Implementation Plan
SIO	scenic integrity objective
SMS	scenery management system
SO <sub>2</sub>	sulfur dioxide
SPM	Semi-primitive Motorized
SUA	special use authorization
SWPPP	Stormwater Pollution Prevention Plan
TDS	total dissolved solids
TEPC	threatened, endangered, proposed, and candidate
TSP	total suspended particles
USDA	U. S. Department of Agriculture
USFS	U.S. Forest Service
USFWS	U.S. Fish and Wildlife Service
UV	ultraviolet
VOCs	volatile organic compounds
VQO	visual quality objective

ACRONYM/ABBREVIATION	DEFINITION
WOUS	waters of the U.S.
WRAP	Western Regional Air Partnership
YCT	Yellowstone cutthroat trout

## 8.3 GLOSSARY

**Acre-feet.** The volume required to cover 1 acre to a depth of 1 foot, which is equivalent to 43,560 cubic feet.

**Acid Rock Drainage (ARD).** Water with pH less than 5, elevated TDS, SO<sub>4</sub>, and trace metal concentrations that result from the oxidation of acid generating sulfide minerals with subsequent dissolution and transport of the oxidation products.

**Allowable Sale Quantity (ASQ).** The maximum amount of timber that can be sold from a National Forest, often within a year.

**Alluvial.** Pertaining to material or processes associated with transportation or deposition of soil and rock by flowing water (e.g., streams and rivers).

**Alluvium.** Soil and rock deposited by flowing water (e.g., streams and rivers); consists of unconsolidated deposits of sediment, such as silt, sand, and gravel.

**Ambient.** Surrounding, existing, background conditions.

**Animal Unit Month (AUM).** A unit used in federal and state livestock grazing permits to mean the amount of forage (i.e., food) required for one animal unit. An animal unit refers to the equivalent of one mature cow.

**Aquatic Influence Zones (AIZs).** Defined by the National Forest as the areas between streams or water bodies and the adjacent upland area that have an influence on water quality.

**Best Management Practices (BMPs).** Vegetative and structural methods to control erosion and sedimentation.

**Biological Assessment.** Information prepared by or under the direction of the federal agency concerning listed species that may be present in the action area and the evaluation of potential effects of the action on such species and habitats. The purpose of the biological assessment is to evaluate the potential effects of the action on listed or proposed species or designated or proposed critical habitat, and determine whether any such species and habitats are likely to be adversely affected by the action. Biological Assessments are conducted for major federal construction projects requiring an EIS.

**Bird Conservation Plan (BCP).** Plans initiated by Partners In Flight to guide conservation and for birds.

**Carbon Dioxide Equivalent (CO<sub>2</sub>e).** A quantity that describes the amount of CO<sub>2</sub>, when measured over a specific time, that would have an impact on global warming potential.

**Cubic Feet per Second (cfs).** Metric of water flow that describes a cubic feet of water that passing over a given point on a water body (i.e., stream or river).

**Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).** A federal law that taxes chemical and petroleum industry to fund releases of hazardous substances. Also known as “Superfund.”

**Chert.** A hard, dense microcrystalline or cryptocrystalline sedimentary rock, consisting chiefly of interlocking crystals of quartz; it may contain amorphous silica (opal). It has conchoidal fracture, and may be white or variously colored. Chert occurs principally as nodular or concretionary segregations, or nodules in limestone and dolomite, and less commonly as layered deposits, or bedded chert; it may be an organic or inorganic precipitate or a replacement product.

**Contaminants of Potential Concern (COPCs).** A contaminant which may cause risk or adverse effects to humans or other plants and animals.

**Contrast (visual).** The effect of a striking difference in form, line, color, or texture of the landscape features within the area being viewed.

**Critical (Crucial) Habitat/Range.** Habitat that is present in minimum amounts and is a determining factor for population maintenance and growth.

**Decibel-A Weighted (dBA).** The sound pressure levels in decibels measured with a frequency weighing network corresponding to the A-scale on a standard sound level meter. The A-scale tends to suppress lower frequencies (e.g., below 1,000 Hz).

**Decibel (dB).** One-tenth of a Bel is a measure on a logarithmic scale that indicates the ratio between two sound powers. A ratio of 2 in power corresponds to a difference of 3 decibels between two sounds. The decibel is the basic unit of sound measure.

**Dissolution.** The process of dissolving.

**Distinct Population Segment (DPS).** The designation of a taxonomic division of a species, as used under the Endangered Species Act.

**Electrical Conductivity (or Specific Conductance).** The ability of a water or a soil-water paste to transmit electrical current, used to estimate ion concentration.

**Endangered Species.** Species in danger of extinction throughout all or a significant portion of its range.

**Engineering Evaluations/Cost Analyses (EE/CA).** An evaluation of methods and alternatives for restoration or clean up of the environment.

**Environmental Impact Statement (EIS).** A document prepared under the National Environmental Policy Act that describes environmental effects of an action.

**Environmental Protection Measures (EPMs).** Standards used to protect the environment.

**Ephemeral Stream.** A stream or portion of a stream which flows briefly in direct response to precipitation in the immediate vicinity, and whose channel is at all times above the water table.

**Equivalent Sound Level (Leq).** A term that describes the noise in the environment, as a value of sound for a specific duration.

**Fahrenheit (F).** A metric of temperature.

**Fate and Transport.** Description of the movement of a contaminant through a groundwater system which may include the effects of dilution, dispersion, attenuation and various chemical reactions.

**Floodplain.** The low and relatively flat areas adjacent to rivers and streams. A 100-year floodplain is that area subject to a 1 percent or greater chance of flooding in any given year.

**Forage.** Vegetation used for food by wildlife, particularly big game wildlife and domestic livestock.

**Forbs.** Any herbaceous plant other than a grass.

**Fry.** The young of fish.

**Game Species.** Animals commonly hunted for food or sport.

**Geographic Information Systems (GIS).** A system that presents spatial geographic data.

**Geosynthetic Clay Laminate Liner (GCLL).** A technology that uses a synthetic liner on top of overburden to reduce infiltration.

**Graminoid.** Grasses, or more technically graminoids, are monocotyledonous, usually herbaceous plants with narrow leaves growing from the base. They include the "true grasses", of the family Poaceae, as well as the sedges and the rushes.

**Greenhouse Gases (GHGs).** An atmospheric gas such as water vapor, CO<sub>2</sub>, methane, and ozone, that absorb and emits radiation.

**High Density Polyethylene (HDPE).** A product commonly used in the production of plastic bottles, piping, and geomembranes because of its high strength to density ratio.

**Hydraulic Conductivity (K).** A coefficient of proportionality describing the rate at which water can move through a permeable medium.

**Hydrologic Unit Code (HUC).** A number that is used to identify a watershed.

**Instruction Memorandum (IM).** Supplementary documents used by the BLM to help to address new policies, interpret policies, and provide immediate instruction.

**Integrated Pest Management (IPM).** An approach used to control pests such as insects that uses careful consideration of economics and environment to reduce risks to human and environmental health.

**Intermittent Stream.** Stream that flows only part of the time or during part of the year; some segments of the stream may flow year-round.



**Intermountain West Joint Venture (IWJV).** A partnership to conserve bird habitats in the western United States.

**International Organization for Standardization (ISO).** Developer of voluntary standards for products, services, and practices that improve the efficiency and effectiveness of industry.

**Kilometer (km).** A unit that measures length equivalent to 0.621 miles.

**Land Use Plan.** The organized direction or management of the use of lands and their resources to best meet human needs over time, according to the land's capabilities.

**Limestone.** A sedimentary rock consisting chiefly of the mineral calcite (calcium carbonate), with or without magnesium carbonate. Common impurities include chert and clay. Limestone is the most important and widely distributed of the carbonate rock and is the consolidated equivalent of limy mud, calcareous sand, and/or shell fragments. It yields lime on calcination.

**Land and Resource Management Plan.** Document that established direction for future decisions of the use of lands and resources in the planning area to best meet human needs over time, according to the land and resource capabilities.

**Management Indicator Species (MIS).** Species used to represent the health of wildlife habitats, in relation to management activities.

**Mesic.** Moist habitats associated with springs, seeps, and riparian areas.

**Memorandum of Understanding (MOU).** A document describing an agreement between two or more parties.

**Milligrams per kilogram (mg/kg).** A unit of volumetric measurement.

**Milligrams per liter (mg/L).** A unit of volumetric measurement.

**Migratory Bird Treaty Act (MBTA).** A law that makes it unlawful to pursue, hunt, take, capture, kill, or sell birds such raptors and songbirds.

**Miles Per Hour (MPH).** A measurement of speed.

**Mine and Reclamation Plan (M&RP).** A plan that describes the mining and reclamation activities of a mine.

**Mitigation.** Actions to avoid, minimize, reduce, eliminate, replace, or rectify the impact of a management practice.

**Motor Control Center (MCC).** A device that controls performance of an electric motor.

**Nephelometric Turbidity Units (NTUs).** A measurement of turbidity, or the "cloudiness" of water.

**Notice of Intent (NOI).** A formal announcement from the federal government that an Environmental Impact Statement will be prepared.

**Off Highway Vehicle (OHV).** Any vehicle that can drive off a paved or gravel road.

**Overburden.** Sub-economic non-ore rock or soil associated with a mineral deposit.

**Overburden Disposal Area (ODA).** An area where overburden is placed and stored.

**Oxidation.** A geochemical process involving chemical and mineralogic changes to rock or soil under chemical weathering conditions. Oxidation is typically associated with exposure of buried materials to atmospheric oxygen and water. The process occurs naturally, but is accelerated by mining activity.

**Peak Flow.** The greatest flow attained during melting of winter snowpack or during a large precipitation event.

**Perennial Stream.** A stream that flows throughout the year and from source to mouth.

**Permeability.** The capacity of porous rock, sediment, or soil to transmit a fluid.

**Permissible Exposure Limit (PEL).** The legal limit of a chemical substance an employee may be exposed to, often measured in parts per million.

**pH.** The negative  $\log_{10}$  of the hydrogen ion activity in solution; measure of acidity or alkalinity of a solution.

**Particulate Matter (PM).** Small particles or liquid droplets that are in the air. Can also be known as Particle Pollution.

**PM<sub>2.5</sub>.** Particulate matter less than 2.5 microns in aerodynamic diameter.

**PM<sub>10</sub>.** Particulate matter less than 10 microns in aerodynamic diameter.

**Preliminary General Habitat (PGH).** In reference to greater sage-grouse, areas of high quality habitat but lacks characteristics to make the habitat priority.

**Preliminary Priority Habitat (PPH).** In reference to greater sage-grouse, essential and irreplaceable and important habitats.

**Prevention of Significant Deterioration (PSD).** A permit program to prevent environmental impacts from large sources of air pollution.

**Raptor.** A bird of prey (e.g., eagles, hawks, falcons, and owls).

**Riparian.** Situated on or pertaining to the bank of a river, stream, or other body of water. Riparian is normally used to refer to plants of all types that grow along streams, rivers, or at spring and seep sites.

**Record of Decision (ROD).** A record that explains why a federal action was selected, based on alternatives described in a Final Environmental Impact Statement.

**Recreation Opportunity Spectrum (ROS).** A system for managing opportunities for recreation, often on federal lands.

**Revised Forest Plan (RFP).** A Plan that has been updated to reflect changes to an existing Forest Plan.

**Resource Management Plan (RMP).** Document that establishes direction for the use of resources to best meet the needs of humans over time, according to the resource potential or capability.

**Roadless Area.** Natural or federal lands that are without roads.

**Run-of-Mine (ROM) Overburden.** Sub-economic rock mined from the phosphate deposit, which is and placed in surface dumps or as pit backfill.

**Salinity.** Measure of solute concentration, in grams per kilogram; “saltiness”.

**Scenic Integrity Objective (SIO).** Scenic integrity is how visually intact people perceive the landscape to be. A SIO is an objective that defines how visually intact the landscape should be.

**Scenery Management System (SMS).** Used to analyze impacts of activities on the scenery of federal lands.

**Scoping.** Procedures by which agencies determine the extent of analysis necessary for a proposed action, (i.e., the range of actions, alternatives, and impacts to be addressed; identification of significant issues related to a proposed action; and the depth of environmental analysis, data, and task assignments needed).

**Sediment Load.** The amount of sediment (sand, silt, and fine particles) carried by a stream or river.

**Semi-primitive Motorized (SPM).** Areas that are managed for a natural-looking environment but vehicle access is allowed on low standard roads and trails.

**Sensitive (as in Species).** Those plant or animal species that are susceptible or vulnerable to activity impacts or habitat alterations.

**Shale.** A fine-grained detrital sedimentary rock, formed by the compaction of clay, silt, or mud. It has a finely laminated structure, which gives it a fissility along which the rock splits readily, especially on weathered surfaces. Shale is well indurated, but not as hard as argillite or slate. It may be red, brown, black, or gray.

**Significant.** As used in NEPA, requires consideration of both context and intensity. Context means that the significance of an action must be analyzed in several contexts such as society as a whole, and the affected region, interests, and locality. Intensity refers to the severity of impacts (40 CFR 1508.27).

**Site Investigation (SI).** In relation to mining, a survey used to document mining features. Drilling may be used.

**State Implementation Plan (SIP).** A Plan created by a state for compliance with the Clean Air Act at sites that are polluted.

**Sodium Adsorption Ratio (SAR).** Ratio of dissolved sodium to calcium and magnesium in water; provides a prediction of cation exchange reaction potential.

**Special Use Authorization (SUA).** A permit that authorizes the use of or action on National Forest System lands.

**Storm Water Pollution Prevention Plan (SWPPP).** A plan that is used to reduce pollutants entering waterbodies during storm (i.e., rain) events. Includes sources of pollution and control measures.

**Swell.** The increase in volume exhibited by certain soils and rocks on absorption of water; an enlarged place in an orebody.

**Threatened Species.** Any species of plant or animal which is likely to become endangered within the foreseeable future throughout all or a significant portion of its range.

**Total Suspended Particulate/Particles (TSP).** Particulates less than 100 microns in diameter (Stokes equivalent diameter).

**Total Dissolved Solids (TDS).** Total amount of dissolved material, organic or inorganic, contained in a sample of water.

**Ultraviolet (UV).** A light with wavelengths shorter than visual light in the range of 10 to 400 nanometers.

**Visual Quality Objective (VQO).** A desired level of excellence based on physical and sociological characteristics of an area. Refers to degree of acceptable alteration of the characteristic landscape.

**Watershed.** Drainage basin for which surface water flows to a single point.

**Wetlands.** Areas inundated by surface water or groundwater with a frequency sufficient to support vegetation or aquatic life that requires saturated or seasonally saturated soil conditions for growth and reproduction.

## 8.4 INDEX

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